

PC-BFL

CCT and Power Adjustable Bullet Flood Light



DESCRIPTION

The Pantheon Core Bullet Flood Light is a high-performance outdoor luminaire designed for precision lighting applications. It features field-selectable power and CCT for on-site flexibility and is equipped with a 0–10V dimming driver and an integral photocell with on/off switch for efficient operation. The fixture delivers 2,999–5,064 lumens with up to 25,598 maximum candela in a 21° spot beam angle, ensuring controlled and targeted illumination. A dark bronze premium powdercoat finish provides durability in demanding environments, while multiple mounting options—knuckle, surface, and in-ground spike—support versatile installation.



Date: _____	Type: _____	Catalog Number: _____
Project Name: _____		

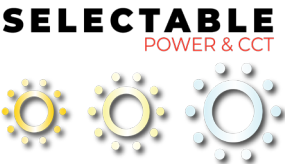
ORDERING INFORMATION

LUMINAIRE					
MODEL	LUMEN PACKAGE	CCT	CONTROL	INPUT VOLTAGE	FINISH
PC-BFL Pantheon Core Bullet-Style Flood Light	SO 4500/3700/3000 Standard Lumen Package	SK Selectable Kelvin (3000K/4000K/5000K)	DIM 0-10v Dimming	UNV 120-277v	DB Dark Bronze

Custom options may be available; consult factory for assistance via phone at (864) 487-3535 ext. 258 or via email at DesignServices@EXP-Brands.com.

MOUNTING KIT (Optional, Ordered Separately)

- PC-BFL-SMK**
Pantheon Core Bullet-Style Flood Light Surface Mounting Kit for Standard 4" Round Junction Box; Includes Round Canopy Mounting Plate and Hardware; Suitable to Mount ½" Swivel Arm
- PC-BFL-STAKE**
Pantheon Core Bullet-Style Flood Light Line Voltage Ground Stake



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PHYSICAL	HOUSING	Aluminum Housing with Premium Powder Coat Dark Bronze Finish
	LENS	Polycarbonate Diffused Lens
	MOUNTING	Standard Knuckle Mounting Kit Included for ½" NPT Optional Surface Mounting Kit and Line Voltage Ground Stake (Ordered Separately)
	OVERALL DIMENSIONS	6.42" L x 5.51" W x 8.9" H
	WEIGHT	2.41 Pounds
	OPERATING TEMPERATURE	Ambient Operating Temperature: -40° F to 113° F
	SWITCH DEFAULTS	Default Switch Positions are Highest Power Level @ 4000K

ELECTRICAL	POWER CONSUMPTION (field selectable)	From 19.8 to 35.1 Watts
	CURRENT	See "Light Distributions" Section Below.
	VOLTAGE	Universal 120-277 AC Voltage (50-60Hz)
	DRIVER	0-10vdc Dimming Driver
	TOTAL HARMONIC DISTORTION	< 20%
	POWER FACTOR	> 0.90
	SURGE SUPPRESSION	4kV Input Transient Surge Protection
	PHOTOCELL	Integral Photocell (Photocell can be Enabled or Disabled via Switch)

PHOTOMETRIC	LED	Field-Selectable 3000K, 4000K, and 5000K
	BEAM ANGLE	Spot 21°
	DELIVERED LUMEN OUTPUT	From 2999 to 5064 Delivered Lumens
	EFFICACY	From 130 to 161 Lumens per Watt
	MAX. CANDELA (4000K)	25,598 (112.5H, 1V)
	BUG RATING	B3-U2-G0
	COLOR RENDERING INDEX	> 70
	CHROMATICITY	LED color maintenance < -0.00156 chromaticity shift (Δu^*v^*) over the initial 6,000 hours of operation. Based on < 6-step ANSI Quadrangles
	LUMEN MAINTENANCE*	L70 > 151,000 Hours L90 > 45,000 Hours

LIGHT DISTRIBUTIONS	DATA	LOW LUMENS			MID LUMENS			HIGH LUMENS		
	CCT	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
	LUMENS	2,999	3,187	3,120	3,707	4,008	4,077	4,564	5,064	4,766
	WATTS	20.4	19.8	20.4	26.5	25.4	26.5	35.1	33.3	34.9
	EFFICACY	147	161	153	140	158	154	130	152	137
	INPUT AMPS @ 120V	0.17	0.16	0.17	0.22	0.21	0.22	0.29	0.28	0.29
	INPUT AMPS @ 277V	0.07	0.07	0.07	0.10	0.09	0.10	0.13	0.12	0.13

*Values reflect delivered lumens at full output.

CERTIFICATIONS	SAFETY	cULus Listed for Wet Locations
	DLC	DLC Premium Listed
	INGRESS PROTECTION	IP65
	CODE COMPLIANCE	Complies with FCC Part 15, Class A
	WARRANTY	Five Year Limited Warranty

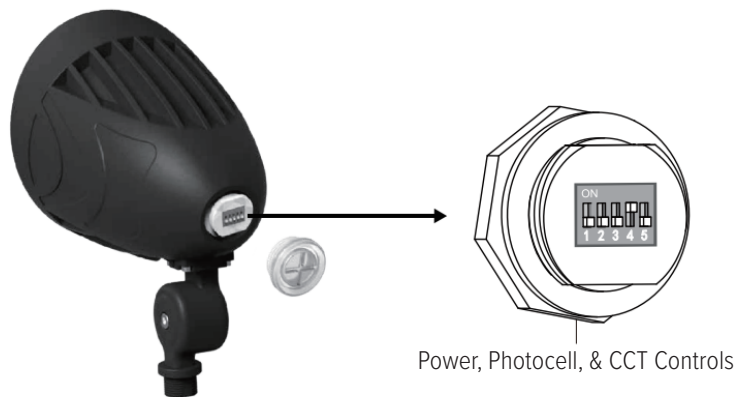
*LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

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SWITCH FUNCTIONS



Power: Switches 1 & 2



100% (Default)



80%



60%

Photocell: Switch 3



Photocell On



Photocell Off
(Default)

CCT: Switches 4 & 5



5000K

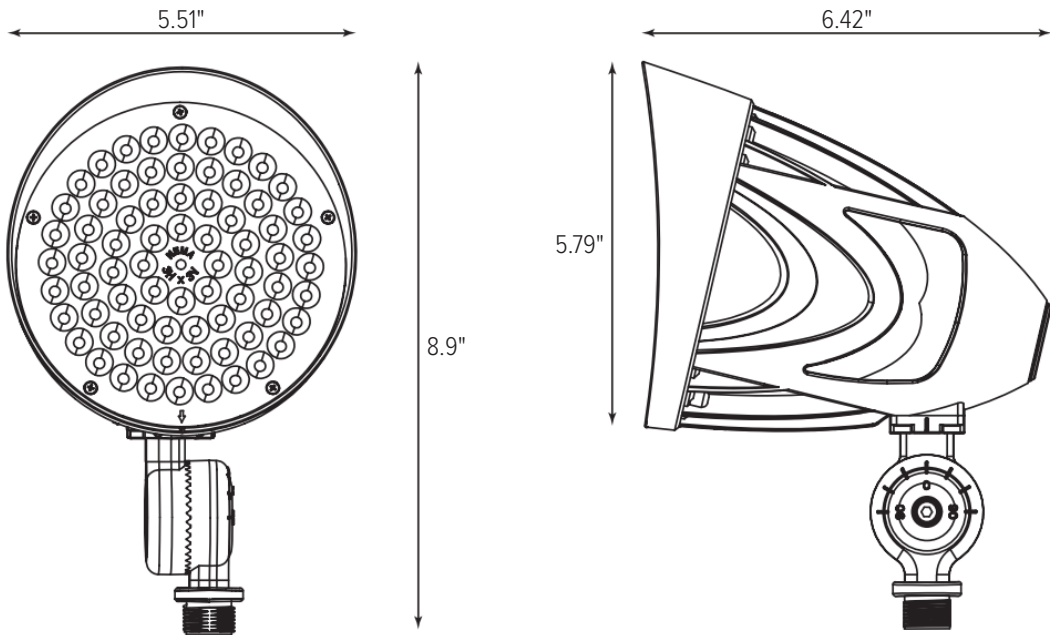


4000K
(Default)



3000K

DIMENSIONS



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PHOTOMETRICS

Luminaire Data	
Description	Bullet Flood Light Highest Lumens @ 4000K
Total Lumens	4436
Input Wattage	33
Efficacy (lm/W)	133
Max. Candela	25598 (112.5H, 1V)

Luminaire Classification Systems			
LCS Zone		Lumens	%Lum
FL	0-30	1870	36.9%
FM	30-60	210	4.1%
FH	60-80	36	0.7%
FVH	80-90	1	0%
BL	0-30	1984	39.2%
BM	30-60	233	4.6%
BH	60-80	85	1.7%
BVH	80-90	8	0.2%
UL	90-100	0	0%
UH	100-180	10	0.2%
Total		4436	87.6%
BUG Rating		B3-U2-G0	

